

POWERED BY **Dialog****Microorganism Phellinus linteus having antioxidation activity****Patent Assignee:** ANDONG AGRIC TECHNOLOGY CENT; ANDONG CITY AGRIC TECHNOLOGY CENT**Inventors:** CHO U S; HONG S D; HWANG G S; JUNG H J; KIM C S; KIM G H; KWON G S; PARK Y H; SHIN Y G; SONG S H; CHO W S; CHUNG H J**Patent Family**

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
KR 2001084853	A	20010906	KR 200010190	A	20000229	200219	B
KR 331497	B	20020409	KR 200010190	A	20000229	200267	

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KR 2001084853	A		1	C12N-001/00	
KR 331497	B			C12N-001/00	Previous Publ. patent KR 2001084853

**Abstract:**

KR 2001084853 A

NOVELTY A microorganism Phellinus linteus having an antioxidation activity which can be used as probiotics, beverage or food additives or adjuvants, is new.

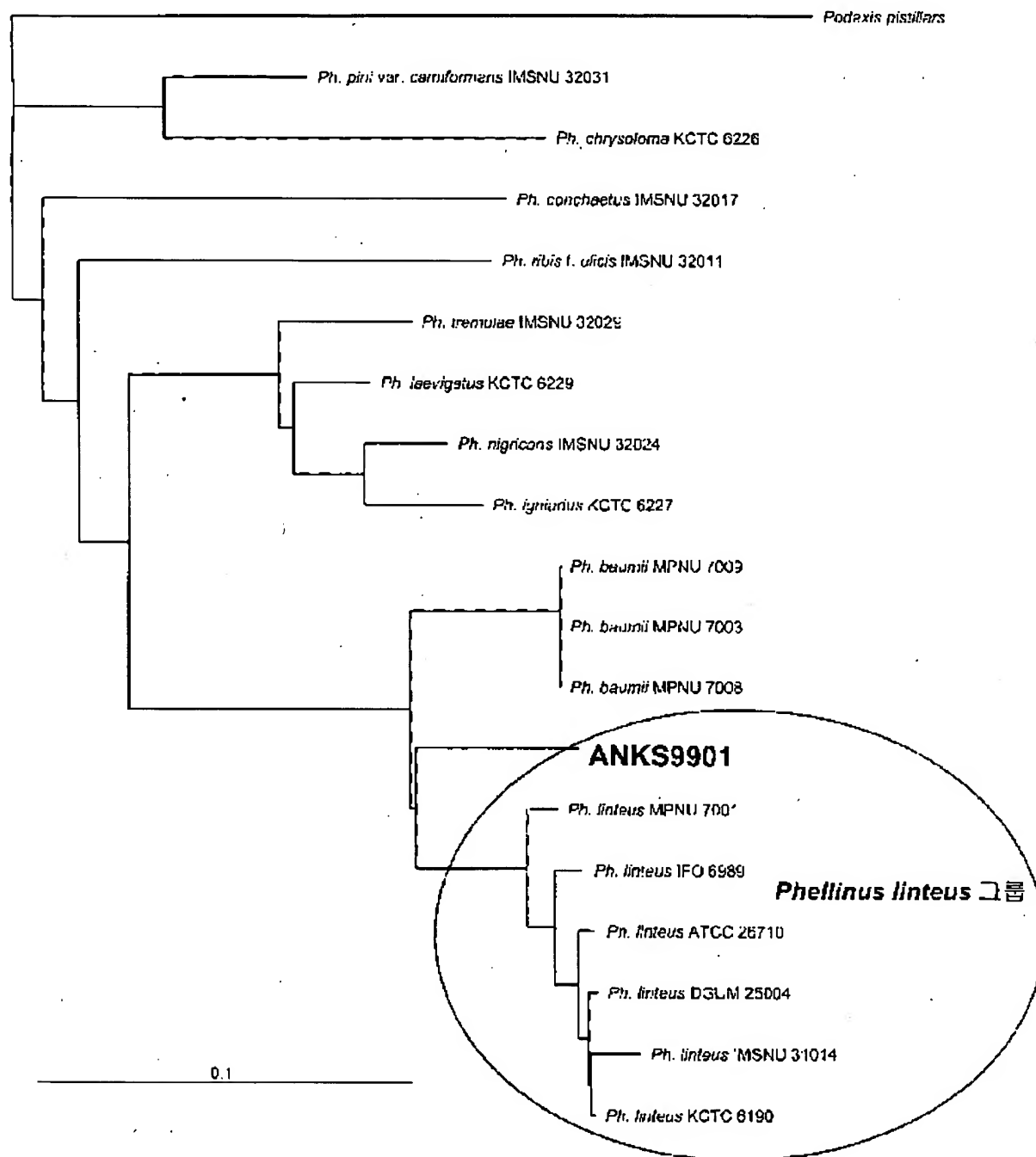
DETAILED DESCRIPTION A microorganism, Phellinus linteus ANKS9901 (KCTC 8983P), having an antioxidation activity such as superoxide dismutase (SOD), peroxidase (POD) and catalase, is isolated and identified by the steps of:

- (1) sampling Phellinus linteus from the soil;
- (2) examining its microbiological properties and depositing it;
- (3) isolating DNA of Phellinus linteus mycelium incubated in PDB medium by using benzylchloride method;
- (4) amplifying ITS 1, 5.8S rDNA and ITS 2 genes by polymerase chain reaction (PCR);

(5) using the isolated DNA of *Phellinus linteus* mycelium and determining their nucleotide sequences by using Perkin-Elmer applied biosystem ABI 377A sequencer; and

(6) analyzing the correlation of *Phellinus linteus* with other *Phellinus* strains by multialignment of *Phellinus linteus* ITS gene.

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